

# PATENT ABSTRACTS OF JAPAN

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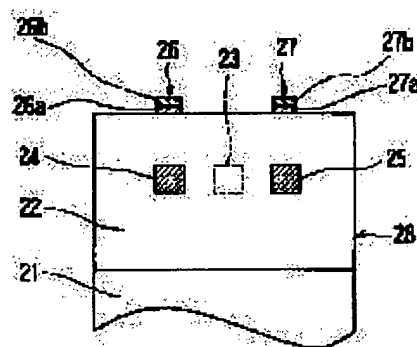
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## (54) ORGANIC OPTICAL DEVICE

### (57)Abstract:

PROBLEM TO BE SOLVED: To make a thin-film heater hard to peel and to increase its long-period reliability.

SOLUTION: An organic clad layer 22 is formed on a substrate 21, an organic optical waveguide 23 and organic optical waveguide 24 and 25 branching from the organic optical waveguide 23 are formed in the organic clad layer 22, and thin-film heaters 26 and 27 are formed above the organic optical waveguides 24 and 25 on the surface of a waveguide part 28 consisting of the organic clad layer 22 and organic optical waveguides 23 to 25; and the thin-film heaters 26 and 27 have two-layered constitution of lower layers 26a and 27a of titanium and upper layers 26b and 27b of platinum.



## LEGAL STATUS

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